

=> d his

(FILE 'HOME' ENTERED AT 12:04:48 ON 24 SEP 2004)

FILE 'EUROPATFULL, FRFULL, PATDPAFULL, PCTFULL, RDISCLOSURE, USPATFULL, USPAT2' ENTERED AT 12:05:03 ON 24 SEP 2004

E ABRAHAM WILLIAM/IN

L1 100 S E3-E12

L2 55 S L1 AND (HYDROGEL# OR POLYOX? OR CARBOPOL? OR GLUCOSE(2A)OXIDA

FILE 'CAPLUS' ENTERED AT 12:30:20 ON 24 SEP 2004

E ABRAHAM WILLIAM/AU

L3 307 S E3-E11

L4 4 S L3 AND (CA OR CALIFORNIA OR FREMONT)

L5 1 S L3 AND (HYDROGEL?(L) (ENZYME OR GLUCOSE(2A)OXIDA?))

FILE 'EUROPATFULL, FRFULL, PATDPAFULL, PCTFULL, RDISCLOSURE, USPATFULL, USPAT2' ENTERED AT 12:36:13 ON 24 SEP 2004

L6 18127 S (HYDROGEL?(L) (ENZYME OR GLUCOSE(2A)OXIDA?))

L7 1622 S (HYDROGEL?(L) (ENZYME(L) GLUCOSE(2A) OXIDA?))

L8 681 S L7(L)WATER(L) (PHOSPHATE) (L)BUFFER(L) (SODIUM(W)CHLORIDE OR NA

L9 9 S L8 NOT PY>=1995

L10 692 S HYDROGEL?(L) (GLUCOSE(2A) OXIDA?) (L)WATER(L) (PHOSPHATE) (L) (SO

L11 14 S L10 NOT PY>=1996

=> d his

(FILE 'HOME' ENTERED AT 14:19:52 ON 24 SEP 2004)

FILE 'EUROPATFULL, FRFULL, PATDPAFULL, PCTFULL, RDISCLOSURE, USPATFULL,  
USPAT2' ENTERED AT 14:19:59 ON 24 SEP 2004

L1 222 S HYDROGEL?(S) (GLUCOSE(2A) OXIDASE)  
L2 143 S L1(L) (HYDROGEN(3A) PEROXIDE)  
L3 85 S L1(S) (HYDROGEN(3A) PEROXIDE)  
L4 14 S L3(L) (PEO OR PEG)  
L5 0 S L4 NOT PY>=1995  
L6 27 S L2(L) (PEO OR PEG)  
L7 0 S L6 NOT PY>=1995  
L8 1565 S HYDROGEL?(L) (GLUCOSE(2A) OXIDASE)  
L9 574 S L8(L) (HYDROGEN(3A) PEROXIDE)  
L10 254 S L9(L) (PEO OR PEG)  
L11 9 S L10 NOT PY>=1995

=>

ACCESSION NUMBER: 1997:211180 CAPLUS  
 DOCUMENT NUMBER: 126:203724  
 TITLE: Pharmaceutical **hydrogel** patch comprising a polymeric material and an **enzyme**  
 INVENTOR(S): **Abraham, William**; Berner, Bret; Joshi, Priti S.; Plante, Phillip J.; Vijayakumar, Prema  
 PATENT ASSIGNEE(S): Cygnus, Inc., USA  
 SOURCE: PCT Int. Appl., 53 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9702811	A1	19970130	WO 1996-US11675	19960711
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
CA 2226176	AA	19970130	CA 1996-2226176	19960711
CA 2226176	C	20030916		
AU 9664928	A1	19970210	AU 1996-64928	19960711
AU 706662	B2	19990617		
EP 840597	A1	19980513	EP 1996-924493	19960711
EP 840597	B1	20031001		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 10509052	T2	19980908	JP 1996-506016	19960711
JP 3201482	B2	20010820	JP 1997-506016	19960711
AT 250928	E	20031015	AT 1996-924493	19960711
PT 840597	T	20040227	PT 1996-924493	19960711
ES 2208754	T3	20040616	ES 1996-924493	19960711
US 2004062759	A1	20040401	US 2003-664467	20030917
PRIORITY APPLN. INFO.:				
			US 1995-501664	A 19950712
			US 1996-680719	B1 19960711
			WO 1996-US11675	W 19960711
			US 1998-109505	A1 19980702

L2 ANSWER 26 OF 55 PCTFULL COPYRIGHT 2004 Univentio on STN  
ACCESSION NUMBER: 1997002811 PCTFULL ED 20020514  
TITLE (ENGLISH): HYDROGEL PATCH  
TITLE (FRENCH): PASTILLE D'HYDROGEL  
INVENTOR(S): ABRAHAM, William;  
BERNER, Bret;  
JOSHI, Priti, S.;  
PLANTE, Phillip, J.;  
VIJAYAKUMAR, Prema  
CYGNUS, INC.  
PATENT ASSIGNEE(S):  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
-----		
WO 9702811	A1	19970130

DESIGNATED STATES  
W:

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI  
GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM  
TR TT UA UG UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD  
RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

APPLICATION INFO.: WO 1996-US11675 A 19960711  
PRIORITY INFO.: US 1995-8/501,664 19950712

L2 ANSWER 27 OF 55 PCTFULL COPYRIGHT 2004 Univentio on STN  
ACCESSION NUMBER: 1996025910 PCTFULL ED 20020514  
TITLE (ENGLISH): WATER-SOLUBLE PRESSURE-SENSITIVE MUCOADHESIVE  
TITLE (FRENCH): ADHESIF MUQUEUX AUTOCOLLANT HYDROSOLUBLE  
INVENTOR(S): BIEGAJSKI, James, E.;  
VENKATRAMAN, Subbu, S.;  
ABRAHAM, William  
PATENT ASSIGNEE(S): CYGNUS THERAPEUTIC SYSTEMS;  
BIEGAJSKI, James, E.;  
VENKATRAMAN, Subbu, S.;  
ABRAHAM, William  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
-----		
WO 9625910	A1	19960829

DESIGNATED STATES  
W:

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI  
GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG  
MK MN MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA  
US UZ VN KE LS MW SD SZ UG AT BE CH DE DK ES FR GB GR  
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE  
SN TD TG

APPLICATION INFO.: WO 1996-US2666 A 19960223  
PRIORITY INFO.: US 1995-8/393,470 19950223  
US 1996-8/589,059 19960119

own  
PCT

ZUGRIFFSNUMMER: DE69630226 PATDPAFULL ED 20040805 EW 200432  
TITEL: HYDROGELPFLASTER  
ERFINDER: **ABRAHAM, William, Fremont, US;**  
BERNER, Bret, El Granada, US;  
JOSHI, S., Priti, San Jose, US;  
PLANTE, J., Phillip, Sunnyvale, US;  
VIJAYAKUMAR, Prema, Fremont, US  
ANMELDER: Cygnus, Inc., Redwood City, Calif., US  
VERTRETER: Vossius & Partner, 81675 Muenchen  
DOKUMENTENART: Patent  
PUBLIKATIONSART: DET2 Uebersetzung der europaeischen Patentschrift  
PUBLIKATIONSART DETAIL: DET2-036 UEBERSETZUNG DER EUROPAEISCHEN PATENTSCHRIFT,  
- UEBER PCT KOMMEND -

	NUMMER	ART	DATUM
PUBL. INFORMATION:	DE 69630226	T2	20040805
	EP 840597		20031001
	WO 1997002811		19970130
ANMELDEINFORMATION:	DE 1996-69630226	E	19960711
	EP 1996-924493	AW	19960711
	WO 1996-US11675	A	19960711

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 840597 EUROPATFULL EW 200340 FS PS  
 TITLE: **HYDROGEL** PATCH.  
 HYDROGELPFLASTER.  
 PASTILLE D'**HYDROGEL**.  
 INVENTOR(S): **ABRAHAM, William**, 35600 Purcell  
 Place, **Fremont**, CA 94536, **US**;  
 BERNER, Bret, 239 El Granada Boulevard, El Granada, CA  
 94018, **US**;  
 JOSHI, Priti, S., 5919 Royal Ann Drive, San Jose, CA  
 95129, **US**;  
 PLANTE, Phillip, J., 655 South Fair Oaks Avenue, M-116,  
 Sunnyvale, CA 94086, **US**;  
 VIJAYAKUMAR, Prema, 43493 Southerland Way, Fremont, CA  
 94539, **US**  
 PATENT ASSIGNEE(S): CYGNUS, INC., 400 Penobscot Drive, Redwood City, CA  
 94063, **US**  
 PATENT ASSIGNEE NO: 2177530  
 AGENT: Hallybone, Huw George et al., Carpmaels and Ransford, 43  
 Bloomsbury Square, London WC1A 2RA, **GB**  
 AGENT NUMBER: 53031  
 OTHER SOURCE: MEPB2003051 EP 0840597 B1 0027  
 SOURCE: Wila-EPS-2003-H40-T1  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch  
 DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FI; R FR; R GB; R  
 GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE  
 PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale  
 Anmeldung)  
 PATENT INFORMATION:

PATENT NO	KIND DATE
EP 840597	B1 20031001
	19980513
APPLICATION INFO.:	EP 1996-924493 19960711
PRIORITY APPLN. INFO.:	US 1995-501664 19950712
RELATED DOC. INFO.:	WO 96-US11675 960711 INTAKZ
	WO 97002811 970130 INTPNR
REFERENCE PAT. INFO.:	WO 96-00110 A

L2 ANSWER 33 OF 55 USPATFULL on STN  
ACCESSION NUMBER: 2004:82310 USPATFULL  
TITLE: **Hydrogel** formulations for use in  
electroosmotic extraction and detection of glucose  
INVENTOR(S): **Abraham, William**, Fremont, CA, UNITED STATES  
Berner, Bret, El Granada, CA, UNITED STATES  
Joshi, Priti S., San Jose, CA, UNITED STATES  
Plante, Phillip J., Sunnyvale, CA, UNITED STATES  
Vijayakumar, Prema, Fremont, CA, UNITED STATES  
PATENT ASSIGNEE(S): Cygnus, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004062759	A1	20040401
APPLICATION INFO.:	US 2003-664467	A1	20030917 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-109505, filed on 2 Jul 1998, PENDING Continuation of Ser. No. US 1996-680719, filed on 11 Jul 1996, ABANDONED Continuation-in-part of Ser. No. US 1995-501664, filed on 12 Jul 1995, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Barbara G. McClung, Cygnus Inc., Intellectual Property Dept., 400 Penobscot Drive, Redwood City, CA, 94063		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	1356		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

*Same parent application*